

IN THE CLAIMS

The following is a complete listing of the claims. This listing replaces all earlier versions and listings of the claims.

Claim 1 (currently amended): A data communication system comprising:

a connector, adapted to connect a network that is connectable to a plurality of data processing terminals to said data communication system;

an operation input unit, adapted to receive a manual ~~designation~~ instruction from an operator;

a data transmitter, adapted to transmit a document based on the ~~designation~~ instruction input by said operation input unit, the document being transmitted to an external data communication terminal via a line that does not include said connector;

a transfer unit, adapted to transfer transmission result information representing a result of the document transmission performed by said data transmitter and the document transmitted by said data transmitter to one of the plurality of data processing terminals via said connector; and

a discrimination unit, adapted to discriminate user information input by said operation input unit in a case where said data transmitter transmits the document,

wherein said transfer unit transfers the transmission result information and the document based on the user information discriminated by said discrimination unit

~~a notification unit, adapted to notify a data processing terminal, via said connector;~~

~~wherein notification includes transmission result information, representing a document transmission performed by said data transmitter based on the designation inputted by said operation input unit, and the document transmitted by said data transmitter;~~

~~said notification unit notifies the data processing terminal of the transmission result information in accordance with a change in state of said data communication system;~~

~~said notification unit notifies the data processing terminal of the transmission result information related to the document transmission upon completion of the document transmission performed by said data transmitter, and~~

~~said notification unit notifies, in a case where user information is input by said operation input unit with an address of the external data communication terminal, the data processing terminal corresponding to the user information of the transmission result information.~~

Claim 2 (currently amended): A data communication system according to claim 1, wherein said data transmitter transmits the document based on a second ~~designation~~ instruction from the data processing terminal connected to said data communication system via said connector.

Claim 3 (currently amended): A data communication system according to claim 1, wherein the transmission result information ~~notified~~ transferred by said ~~notification~~

transfer unit includes at least one of a transmission destination, a transmission time, and a number of transmission pages.

Claim 4 (currently amended): A data communication system according to claim 1, wherein said ~~notification~~ transfer unit notifies the data processing terminal of the transmission result information in accordance with a change in information to be notified.

Claims 5 and 6 (canceled)

Claim 7 (currently amended): A data communication system comprising:

- a connector, adapted to connect a network that is connectable to a plurality of data processing terminals to said data communication system;
- an operation input unit, adapted to receive a manual designation from an operator;
- a designation unit, adapted to designate an ID, ~~representing a user's~~ for specifying a data processing terminal on the network connected by said connector, ~~from the manual designation input by way of an operation of said operation input unit;~~
- a data transmitter, adapted to transmit a document based on a designation input by said operation input unit, the document being transmitted to an external data communication terminal via a line that does not include said connector;
- ~~a notification unit, adapted to notify the user's data processing terminal on the network connected by said connector corresponding to the ID designated by said designation unit, wherein notification includes information representing a document~~



~~transmission performed by said data transmitter based on the designation inputted by said operation input unit, and the document transmitted by said data transmitter~~ transfer unit, adapted to transfer information representing a document transmission performed by said data transmitter based on the designation input by said operation input unit and the document transmitted by said data transmitter to one of the plurality of data processing terminals connected by said connector;

a determination unit, adapted to determine whether or not the ID is designated by said designation unit; and

~~a controller, adapted to control said notification~~ transfer control unit, adapted to control said transfer unit in accordance with a determination result by said determination unit;

~~wherein said notification unit notifies the user's data processing terminal of information related to the document transmission upon completion of the document transmission performed by said data transmitter.~~

Claim 8 (currently amended): A data communication system according to claim 7, wherein said ~~notification~~ transfer unit does not ~~perform a notification process~~ transfer the information in absence of an ID designated by said designation unit.

Claim 9 (previously presented): A data communication system according to claim 7, wherein the ID designated by said designation unit is information representing a user on the network.

Claim 10 (previously presented): A data communication system according to claim 7, wherein said data transmitter transmits the document, based on the designated ID, from the data processing terminal connected to said data communication system via said connector.

Claim 11 (currently amended): A data communication system according to claim 7, wherein the information ~~notified~~ transferred by said ~~notification transfer~~ unit includes at least one of a transmission destination, a transmission time, and a number of transmission pages.

Claims 12-16 (canceled)

Claim 17 (previously presented): A method of controlling a system that includes a data communication system for performing document communication with a destination and a data processing terminal for controlling the data communication system, the data communication system being connected to the data processing terminal via a network that is connectable to a plurality of data processing terminals, said method comprising the steps of:

at the data communication system:

inputting a designation manually entered by an operator
using an operation input unit;
designating an ID based on the manual designation inputted
using the operation input unit;

performing document communication with an external data communication terminal in accordance with a designation inputted using the operation input unit; and

notifying the data processing terminal corresponding to the designated ID, via a connector connecting the data communication system and the data processing terminal, wherein notification includes communication result information representing the document communication with the external data communication terminal based on the inputted designation, and a document transmitted by the data communication system, and

at the data processing terminal:

instructing the data communication system to communicate with a destination;

receiving communication result information notified by the data communication system in said notifying step; and

independently storing the communication result information related to the document communication based on an instruction in said instructing step and communication result information received from the data communication system in said receiving step,

wherein said notifying step notifies the data processing terminal of the communication result information related to the document communication upon completion of the document transmission performed by the data communication system, and

said notifying step includes notifying, in a case where user information is input using the operation input unit with an address of the external data

communication terminal, a data processing terminal corresponding to the user information of the communication result information.

Claim 18 (currently amended): A computer-readable storage medium storing a program for implementing a method for controlling a data communication system connected to a network that is connectable to a plurality of data processing terminals via a connector, the program comprising:

program code for an input step, of receiving ~~a designation~~ an instruction manually inputted by an operator using an operation input unit;

program code for a transmission step, of transmitting a document based on the ~~designation~~ instruction manually inputted in said input step, the document being transmitted to an external data communication terminal via a line that does not include the connector;

program code for a transfer step, of transferring transmission result information representing a result of the document transmission performed in said transmission step and the document transmitted in said transmission step to one of the plurality of data processing terminals via the connector; and

program code for a discrimination step, of discriminating user information input in said input step in a case where said transmission step transmits the document,

wherein said transfer step transfers the transmission result information and the document based on the user information discriminated in said discrimination step

~~program code for a notification step, of notifying a data processing terminal, via the connector, wherein notification includes transmission result information representing a document communication performed in said transmission step based on the designation manually input in the input step, and the document transmitted by said transmission step in accordance with a change in state of the data communication system;~~

~~said notification step notifies the data processing terminal of the transmission result information related to the document transmission upon completion of the document transmission performed in said transmission step, and~~

~~said notification step includes notifying, in a case where user information is input using the operation input unit with an address of the external data communication terminal, a data processing terminal corresponding to the user information of the transmission result information.~~

Claim 19 (currently amended): A computer-readable storage medium storing a program for implementing a method for controlling a data communication system connected to a network that is connectable to a plurality of data processing terminals via a connector, the program comprising:

program code for an input step, of receiving a designation manually inputted by an operator using an operation input unit that is a part of the data communication system;

program code for a designation step, of designating an ID;
representing a user's for specifying a data processing terminal on the network connected by the connector, from the designation manually inputted;

program code for a transmission step, of transmitting a document based on the designation manually inputted in said input step ~~using the operation input unit,~~ the document being transmitted to an external data communication terminal via a line that does not include the connector;

program code for a ~~notification step, of notifying the user's data processing terminal on the network connected by the connector corresponding to the designated ID, via the connector, wherein notification includes information representing a document communication performed in said transmission step based on the designation manually inputted in said input step, and the document transmitted by said transmission step~~ transfer step, of transferring information representing a document transmission performed in said transmission step based on the designation inputted in said input step and the document transmitted in said transmission step to one of the plurality of data processing terminals connected by the connector;

program code for a determination step, of determining whether the ID is designated in said designation step; and

program code for a transfer control step, of controlling said ~~notification~~ transfer step in accordance with a determination result of said determination step;

~~wherein said notification step notifies the user's data processing terminal of information related to a document transmission upon completion of the document transmission performed in said transmission step.~~

Claim 20 (canceled)

Claim 21 (currently amended): A data communication system that communicates with an external device via a transmission path, and that communicates with a data processing terminal, said system comprising:

a signal path through which said data communication system communicates with the data processing terminal, said signal path being a path different from the transmission path;

an input section through which an operator manually inputs a ~~designation~~ an instruction to the data communication system;

a transmitter that, based upon the manually inputted ~~designation~~ instruction, transmits a document through the transmission path to the external device;

a transfer section that transfers transmission result information representing a result of the document transmitted by said transmitter to the data processing terminal by said signal path; and

a discriminator that discriminates user information input in said input section in a case where said transmitter transmits the document,

wherein said transfer section transfers the transmission result information and the document based on the user information discriminated by said discriminator

~~a notifier that, because of a change in state of said data communication system, notifies the data processing terminal through said signal path;~~

~~wherein notification includes transmission result information corresponding to the document transmission by said transmitter based upon the manually inputted designation, and the data transmitted by said transmitter;~~

~~said notifier notifies the data processing terminal of the transmission result information related to the document transmission upon completion of the document transmission performed by said transmitter, and~~

~~said notifier notifies, in a case where user information is input by said input unit with an address of the external device, a data processing terminal corresponding to the user information of the transmission result information.~~

Claim 22 (currently amended): A method of controlling a data communication system that communicates with an external device and with a data processing terminal, said method comprising the steps of:

manually inputting ~~a designation~~ an instruction to the data communication system;

transmitting a document to the external device via a transmission path, based upon the manually inputted ~~designation~~ instruction, said transmitting step producing transmission result information;

transferring the transmission result information representing a result of the document transmission performed in said transmitting step and the document transmitted in said transmitting step to the data processing terminal; and

discriminating user information input in said input step in a case where said transmitting step transmits the document,

wherein said transferring step transfers the transmission result information and the document based on the user information discriminated in said discriminating step

~~notifying, as a consequence of a change in state of the data communication system and via a signal path that does not correspond to the transmission path, the data processing terminal;~~

~~wherein notification includes transmission result information, and the document transmitted in said transmitting step;~~

~~said notifying step notifies the data processing terminal of the transmission result information related to the document transmission upon completion of the document transmission performed in said transmitting step, and~~

~~said notifying step includes notifying, in a case where user information is input in said input step with an address of the external device, a data processing terminal corresponding to the user information of the transmission result information.~~

Claim 23 (currently amended): A computer-readable storage medium storing a program for implementing a method for controlling a data communication system that communicates with an external device and a data processing terminal, the program comprising:

code for an input step, of inputting a manual ~~designation~~ instruction to the data communication system;

code for a transmission step, of transmitting a document to the external device via a transmission path, based upon the ~~[[input]]~~ inputted manual ~~designation~~ instruction, said transmission step producing transmission result information; ~~[[and]]~~

~~code for a notification step, of notifying, as a consequence of a change in state of the data communication system and via a signal path that is not the transmission path, the data processing terminal;~~

code for a transfer step, of transferring the transmission result information representing a result of the document transmission performed in said transmission step and the document transmitted in said transmission step to the data processing terminal;
and

code for a discrimination step, of discriminating user information inputted in said input step in a case where said transmission step transmits the document,
wherein said transfer step transfers the transmission result information and the document based on the user information discriminated in said discrimination step

~~wherein notification includes transmission result information, and the document transmitted in said transmission step,~~

~~said notification step includes notifying the data processing terminal of the transmission result information related to the document transmission upon completion of the document transmission performed in said transmission step, and~~

~~said notification step includes notifying, in a case where user information is input in the input step with an address of the external device, a data processing terminal corresponding the user information of the transmission result information.~~

Claim 24 (currently amended): A data communication system, comprising:

a connector, adapted to connect a data processing terminal to said data communication system;

an operation input unit, adapted to receive ~~a manual designation~~ an instruction manually inputted by an operator;

an input unit, adapted to input a document to be transmitted to a destination;

a data transmitter, adapted to transmit the document input by said input unit based on the ~~designation input~~ instruction inputted by said operation input unit, the document being transmitted to the destination via a line that does not include said connector;

a transfer unit, adapted to transfer transmission result information representing a result of the document transmission performed by said data transmitter and the document transmitted by said data transmitter to the data processing terminal; and

a discrimination unit, adapted to discriminate user information inputted by said operation input unit in a case where said data transmitter transmits the document,

wherein said transfer unit transfers the transmission result information and the document based on the user information discriminated by said discrimination unit

~~a notification unit, adapted to notify the data processing terminal, via said connector, wherein notification includes transmission result information representing a document transmission performed by said transmitter based on the designation input by said operation input unit, and the document transmitted by said data transmitter in accordance with a transmission operation.~~

Claim 25 (previously presented): A data communication system according to claim 23, wherein said connector connects a network that is connectable to a plurality of data processing terminals to said data communication system.

Claim 26 (previously presented): A data communication system according to claim 23, further comprising a reader which reads an image on a document and generates an image document, wherein said input unit inputs the image document from said reader and said data transmitter transmits the image document inputted by said input unit.

Claim 27 (currently amended): A method of controlling a data communication system, said method comprising the steps of:

a reception step, of receiving ~~a manual designation~~, an instruction manually inputted by an operator;

an input step, of inputting a document to be transmitted to a destination;

a transmission step, of transmitting the document based on the instruction received in said reception step to the destination via a line that does not include a connector adapted to connect a data processing terminal to said data communication system; ~~the document is based on the received manual designation~~;

a transfer step, of transferring transmission result information representing a result of the document transfer in said transmission step and the document transmitted in said transmission step to the data processing terminal via the connector; and

a discrimination step, of discriminating user information received in said reception step in a case where said transmission step transmits the document,

wherein said transfer step transfers the transmission result information and the document based on the user information discriminated in said discrimination step

~~a notification step, of notifying the data processing terminal, wherein notification includes transmission result information representing a document transmission based on the inputted designation, and the document transmitted in accordance with a transmission operation, via the connector.~~

Claim 28 (currently amended): A computer-readable storage medium storing a program for implementing a method of controlling a data communication system, said program comprising:

program code for a reception step, of receiving ~~a manual designation,~~ an instruction manually inputted by an operator;

program code for an input step, of inputting a document to be transmitted to a destination;

program code for a transmission step, of transmitting the document based on the instruction received in said reception step to the destination via a line that does not include a connector adapted to connect a data processing terminal to said data communication system, ~~the document is based on the received manual designation;~~

program code for a transfer step, of transferring transmission result information representing a result of the document transfer in said transmission step and the

document transmitted in said transmission step to the data processing terminal via the connector; and

program code for a discrimination step, of discriminating user information received in said reception step in a case where said transmission step transmits the document,

wherein said transfer step transfers the transmission result information and the document based on the user information discriminated in said discrimination step

~~program code for a notification step, of notifying the data processing terminal, wherein notification includes transmission result information representing a document transmission based on the inputted designation input, and the document transmitted in accordance with a transmission operation, via the connector.~~